

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 04-306289

(43)Date of publication of application : 29.10.1992

(51)Int.Cl.

C09K 3/14

(21)Application number : 03-098069

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(22)Date of filing : 03.04.1991

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(54) NON-ASBESTOS INSULATING MATERIAL AND NON-ASBESTOS MOLDING OF FRICTION MATERIAL

(57)Abstract:

PURPOSE: To provide the subject insulating material comprising reinforcing fibers excluding asbestos and containing metal fibers, a binder consisting of a thermoplastic resin and a filler, and having good heat resistance and a strength resisting against the braking forces of middle and large motor vehicles.

CONSTITUTION: The objective insulating material comprises (A) reinforcing fibers excluding asbestos and containing metal fibers, such as steel fibers, copper fibers or bronze fibers, preferably having an average fiber diameter of preferably 30-150 μ m and an average fiber length of approximately 0.5-6.0mm in an amount of approximately 0.5-20vol.% based on the total amount of the insulating material, and (C) a filler such as barium sulfate.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the
examiner's decision of rejection or application converted
registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of
rejection]

[Date of extinction of right]

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